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Approved For Release 2003/12/04 : CIA-RDP78B05171A000100010081-9

NPIC/TSSG/DED-1452-68

23 DEC 1968

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT: Request for Approval of Change in Scope Amounting to
[redacted] from FY-1969 R&D Funds for Contract [redacted]
with the [redacted]

1. In April, 1968, NPIC contracted on a Fixed Price Incentive Basis with the [redacted] for the fabrication of a High Precision Stereo Comparator System.

2. One of the integral parts of the Stereo Comparator System is a [redacted] DDP-516 computer. This digital computer translates the operator's directions into film stage and optics control commands which are properly proportioned to maintain the stereo model. [redacted] software subcontractor, has started programming the 516 computer and finds it is extremely time consuming and often next to impossible to prepare and debug programs with the Model 35 ASR teletype as the sole input-output unit to the computer.

3. To expedite the computer programming, [redacted] has purchased a [redacted] High Speed Tape Reader/Punch with associated logic and power pack. This high speed unit reads at the rate of 300 characters per second and punches at 110 characters per second whereas the teletype unit reads/punches at only 10 characters per second.

4. [redacted] has recommended that NPIC purchase the high speed unit and have it incorporated into the Stereo Comparator System. Both [redacted] feel that the high speed unit is virtually essential for efficient programming and that it will contribute greatly to the computer flexibility.

5. TSSG/DED and IEG/PHD have both studied the problem and they agreed that the high speed unit would be a most valuable addition to the Stereo Comparator System. The high speed unit would not replace the teletype but instead would supplement it, and would be used for rapid loading or dumping of the computer memory (2 to 5 minutes vs. 30 to 90 minutes), compiling and assembling new programs and subroutines, debugging new and old programs, and updating programs as additional math models, covering future acquisition systems, become available.

Declass Review
by NIMA/DOD

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GROUP 1
Excluded from automatic
downgrading and
declassification

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SUBJECT: Request for Approval of Change in Scope Amounting to [] from
FY-1969 R&D Funds for Contract []

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6. It is recommended that approval be granted for a change in scope on a fixed price basis to Contract [] and charged to FY-1969 R&D Funds.

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[]
Chief, Technical Services & Support Group,
NPIC

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Attachments:

1. R&D Catalog Form
2. [] Proposal
3. IEG.FHD Memo

APPROVAL: []

ARTHUR C. LUNDAHL
Director

National Photographic Interpretation Center

17 JAN 1969

Date

Distribution:

- Original - NPIC/TSSG/SSD/LB (After Approval)
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